

TOWNSEND and TOWNSEND and CREW LLP
(650) 326-2400



In re application of: Karl Littau et al.

Application No.: 08/893,917

Filed: July 11, 1997

Group Art Unit:

For: REMOTE PLASMA CLEANING SOURCE HAVING
REDUCED REACTIVITY WITH A SUBSTRATE
PROCESSING CHAMBER

THE ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:..

Transmitted herewith is a Preliminary Amendment in response to Restriction Requirement in the above-identified application.

- [] Enclosed is a petition to extend time to respond.
- [] Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.
- [] A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.
- []

If any extension of time is needed, then this response should be considered a petition therefor.

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)	(Col. 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA
TOTAL	* 20	MINUS	** 20 = 0
INDEP. * 3 MINUS *** 3 = 0			
[] FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			

SMALL ENTITY		OTHER THAN SMALL ENTITY	
RATE	ADDIT. FEE	RATE	ADDIT. FEE
x \$9.00 =		x \$18.00 =	\$0.00
x \$39.00 =		x \$78.00 =	\$0.00
+ \$130.00 =		+ \$260.00 =	
TOTAL ADDIT. FEE		TOTAL	\$0.00

- * If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
- ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
- *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, then write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

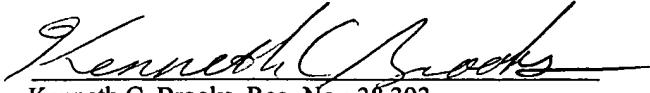
[X] No fee is due.

Please charge Deposit Account No. 20-1430 as follows:

[] Claims fee \$ 0
 [X] Any additional fees associated with this paper or during the pendency of this application.

NO extra copies of this sheet are enclosed.

TOWNSEND and TOWNSEND and CREW LLP


 Kenneth C. Brooks, Reg. No.: 38,393
 Attorney for Applicants

GRU 1763

RECEIVED

UL 27 1999
00 MAIL ROOM

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Assistant Commissioner for Patents
Washington, D.C. 20231

On 7/19/99

TOWNSEND and TOWNSEND and CREW LLP

By: Sandy H

PATENT
Docket No.: AM2119/T21300



7/19/99
7/29/99
Mrs

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Karl Littau et al.

Application No.: 08/893,917

Filed: July 11, 1997

For: REMOTE PLASMA CLEANING
SOURCE HAVING REDUCED
REACTIVITY WITH A SUBSTRATE
PROCESSING CHAMBER

Examiner: R. Zervigon

Art Unit: 1763

**PRELIMINARY AMENDMENT IN
RESPONSE TO RESTRICTION
REQUIREMENT**

TC 1700 MAIL ROOM
JUL 27 1999

RECEIVED

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the restriction requirement mailed June 17, 1999, please amend the claims as follows:

IN THE CLAIMS:

1. A method of removing residue from a substrate processing chamber,
2. said method comprising the steps of:
3. forming a plasma remotely with respect to said chamber, said plasma including
4. a plurality of reactive radicals;
5. forming a flow of said reactive radicals traversing toward said chamber;
6. forming a diluent gas flow;

A
Sub C